## **Abstract**

A mechanoluminescence material comprising a matrix of composite metal oxide containing strontium and aluminum, represented by the general formula  $SrM^1Al_6O_{11}$  (wherein  $M^1$  is an alkaline earth metal) or  $SrM^2Al_3O_7$  (wherein  $M^2$  is a rare earth metal), and further comprising, as luminescence centers, a metal selected from among rare earth metals and transition metals capable of emitting light when a carrier having been excited by mechanical energy returns to its ground state.